



# — Y-12 BULLETIN

A Newspaper For Y-12 Employees of Union Carbide Corporation—Nuclear Division

Vol. 22 — No. 32

OAK RIDGE, TENNESSEE

Wednesday, August 21, 1968



**RUDY HENDRICKS, CERAMICS AND PLASTICS DEVELOPMENT**, has a patent application filed for his "Method for Producing High-Purity, Theoretically Dense Beryllium Oxide Products," in the name of the U. S. Government. W. J. Yaggi, center, Development Superintendent, and L. M. McLaughlin congratulate Hendricks as he is presented the customary \$1 application letter.

## ASTME Annual Picnic Set Saturday At Concord

The local chapter of the American Society of Tool and Manufacturing Engineers will hold their annual picnic Saturday, August 24, at 1 p.m. at the Concord Park on Ft. Loudon Lake, adjacent to the swimming pool entrance on the lake side.

Games, horseshoes, badminton, golf (par three), swimming and softball (plus plenty of good food) will be the highlights of the affair. Price is 50 cents per person, \$2.50 per family.

Details are available from ASTME members.

## New Trees Are Shot By Bullets Into Soil

Forest experts from British Columbia, Canada, are literally shooting new trees into the ground these days. The seedlings are started in greenhouses and are grown in plastic bullets, which are then placed in the soil by a specially designed planting gun. The benefits are speed and efficiency. Up to 1,500 seedlings can be planted in an hour; the roots are not damaged in the process; and all the trees are planted at the same depth.

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
149 Days Or  
4,455,000 Man-Hours  
(Unofficial Estimate)  
Through August 18  
Without a Disabling  
Injury  
Safety At Home  
At Work, At Play

## Navy Seminar Is Opened This Week

The Navy Department's Office of Naval Research, in conjunction with the U. S. Atomic Energy Commission, is holding a seminar on current research and development in Oak Ridge. The seminar, which started Monday, August 19, will continue for two weeks. It is being held at the Oak Ridge Associated Universities Special Training Building.

The seminar is expected to attract about 50 reserve officers representing Navy Research Reserve Companies from all across the nation. J. M. Case, deputy superintendent of Y-12, will speak on "Operations at the Y-12 Plant," and Bill Meyers, plant engineering division, is speaking on "Computer Programming for Numerically Controlled Machines."

The seminar kickoff speech was given by Capt. Hugh R. Murphy, deputy chief of staff for the Naval Reserve. Among the first-day address was one by Dr. C. E. Larson, president of the Nuclear Division; R. Adm. T. B. Owen, chief of Naval Research; S. R. Sapirie, manager of the AEC's Oak Ridge Operations; and Dr. W. G. Pollard, executive director of ORAU. Other seminar speakers will include some of the nation's leading research scientists and authorities, not only in nuclear science and reactor technology, but also in such widely ranging fields as biology and civil defense.

In addition to the many lectures that are being given by seminar speakers, the program will include a tour of some of the Oak Ridge facilities. As a special activity of this seminar, which is an extension of the nuclear sciences seminar series held in the past, the seminar participants will be in Gathlinburg August 26 and 28.

## North Carolina's Huray Physics Seminar Guest

Paul Huray, University of North Carolina, will lead this week's Physics Division seminar. His subject will be "Order-Disorder Studies in Cu-An Alloys by Means of the Mossbauer Effect."

The seminar is set for Friday, August 23, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.

## Manly Named V.P. In Materials Systems

**Former ORNL Man Came Here In '49**

William D. Manly, former director of the gas cooled reactor program at Oak Ridge National Laboratory, has been appointed a vice president of the Materials Systems Division of Union Carbide Corporation. The announcement was made last week by Richard S. Abrams, division president.

Manly joined Union Carbide in 1949 as a metallurgist at ORNL. He served in various capacities there, moving up to the position of director of the gas college reactor program in 1961. In 1965, he transferred to Kokomo, Indiana, to become director of technology of the former Stellite Division, now Materials Systems Division. He moved to the New York office in March, 1967, as general manager of new products and refractor metals for the newly formed Materials Systems Division. Later in that year, he assumed the position of general manager—gas turbine products and chemical process equipment. He is a graduate of the University of Notre Dame, where he received the degrees of BS in metallurgy in 1947 and MS in metallurgy in 1949.

The Materials Systems Division of Union Carbide produces high performance materials for operating in stress environments. These may be in the form of a single product, such as an investment cast blade for a racing car or an alloy used in the construction of an aircraft gas turbine; or in the form of a complicated system, used to combat environmental pollution or to process nuclear fuels for electrical power. Major cus-



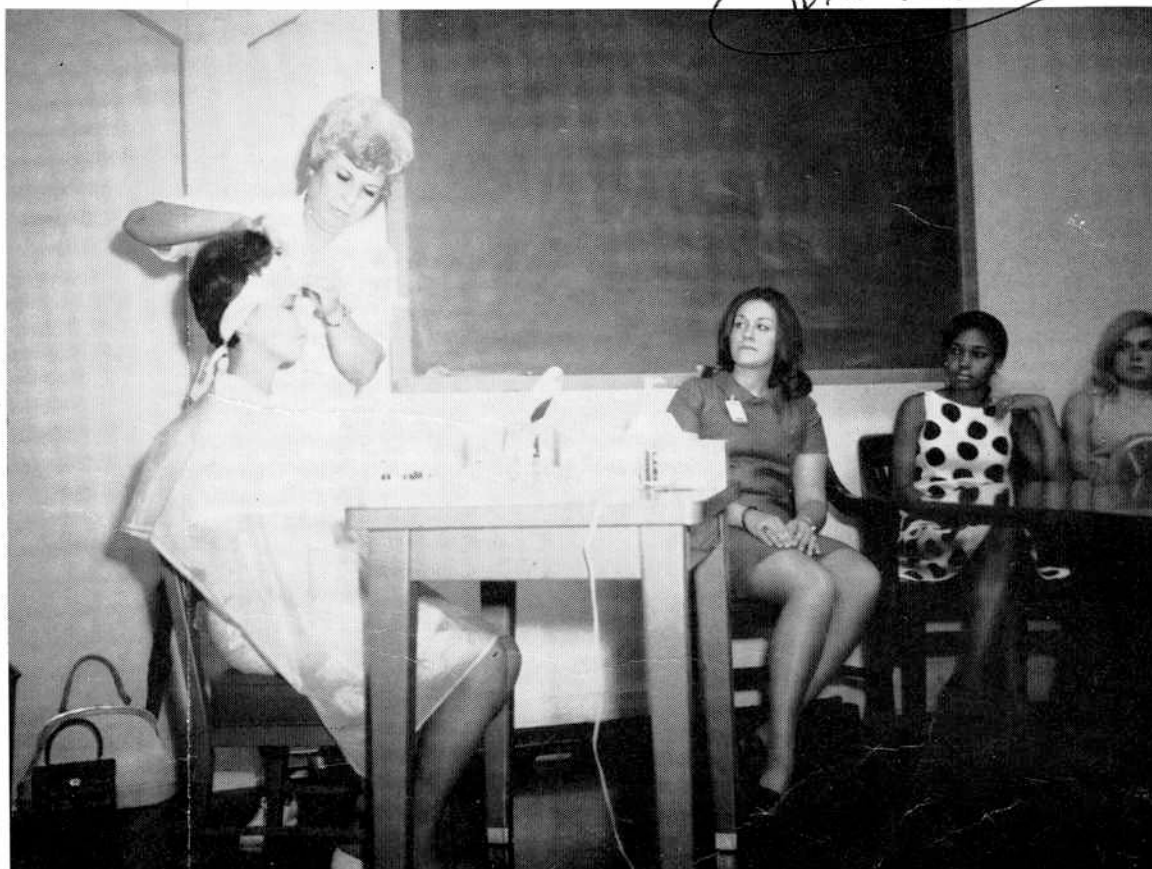
William D. Manly

tomers of the division, which combines Union Carbide's broad range of product and process capabilities, are in the gas turbine and chemical process industries.

## Forest Service Surveys Local AEC Woodland

United States Forest Service planes are making aerial surveys this week of the forest in these parts as part of a routine effort to curb the spread of the Southern Pine Beetle. The Atomic Energy Commission's Oak Ridge Operations has requested assistance from the Forest Service periodically since a widespread infestation of the pine beetle was first discovered on the AEC's acreage in January of 1965.

Since then under an inter-agency agreement with the AEC and the U.S. Forest Service, efforts to prevent the spread of the beetle have been carried out. Treatment and salvage operations brought the earlier infestation under control.



**MARY ANN RUSSELL**, who really doesn't need any make-up, gets the proper make-up for office wear by Mary Dietrich, Merle Norman Cosmetics. Katie Barton, her assistant looks on, as Marlena Brabson also observes. Doris Matthews is at the extreme right. The Secretarial Skills class featured the make-up instructions recently. Mabel Tyer, Industrial Relations, is instructor for the class.



# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

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## Vandergriff Rites Held In Lake City

The death of Loyall W. Vandergriff, Cashier and Travel supervisor, is sadly noted. The popular Y-12er died Saturday, August 10, at his Lake City home.

The former mayor of Lake City, Vandy was always in the heart of action. He was chairman of the board of the Clinch-Powell Utility District, a member of the Anderson County Democratic Primary



Board and Anderson County Library Board, and an active member of the First Baptist Church of Lake City.

Mr. Vandergriff was born in Lake City, and graduated from Clinton High School. He served in the U. S. Coast Guard and worked with Magnet Mills, Esso Standard Oil Company, the Works Progress Administration and Maxon Construction, before coming to Y-12 January 3, 1955.

He is survived by his wife Mrs. Eloise Riggs Vandergriff; son Phillip, Lake City; sisters Miss Bernice Vandergriff, Clinton; Mrs. June Brewer, Maryville; brothers Bernard, Nashville; Don, Clinton (in Y-12's H-2 and F-Area Shops); and Gilreath, St. Petersburg, Florida.

Funeral services were held Monday, August 12, at 3:30 p.m. at the First Baptist Church, Lake City. The Reverend Dean Buchanan officiated. Many co-workers served as honorary pallbearers. Interment followed in Sunset Cemetery, Clinton.

Sincere sympathy is extended the Vandergriff family. Your loss is widely shared.

## Boron Provides Man With Versatile Materials

Boron composites, made from the same chemicals that give us borax and boric acid, show great promise for providing the answer to the growing need for stronger and lighter structural materials. The key ingredients is a boron filament which can be mixed with a plastic material such as epoxy resin and molded into structural styles and shapes impossible to achieve with other materials. The reason is the composite's extremely high strength-to-weight ratio; lighter than aluminum and stronger than steel. For instance: a panel made of a laminate of boron filaments and epoxy resin, eight feet by eight inches, one inch thick, can support a weight of four tons, yet weighs only 120 pounds.



Mr. and Mrs. Jeffrey Alan Lowe



As Summer enters its final month, we find more Y-12ers observing important landmarks with Union Carbide Corporation. Congratulations.

### 25 YEARS

**Merle B. Hilton**, Tool Engineering, August 23.

**Everette C. Cox**, Special Services, August 24.

**Briscoe W. Ivy**, Material Packing and Transfer, August 26.

**Katherine L. Miller**, Buildings, Grounds and Maintenance Shops, August 26.

### 20 YEARS

**Melvin C. Tipton**, Area Five Maintenance, August 24.

**Kenneth H. Wright**, Utilities Administration, August 25.

### 15 YEARS

**Hugh M. Jeffreys**, Process Maintenance, August 21.

**Katherine N. Dumas**, Engineering Division, August 24.

**John F. Pyatt**, Alpha Five Processing, August 24.

**Archie A. Stacy**, Area Five Maintenance, August 24.

**Willie F. Tiller**, Process Maintenance, August 24.

**Robert W. Miller**, Assembly Operations, August 26.

**Zane L. Ardary**, Chemical Engineering Development, August 27.

### 10 YEARS

**Herman L. Odom**, Area Five Maintenance, August 22.

**Frank H. Broome**, Data Systems Development, August 25.

**Roderick F. Creigh**, Graphics and Public Information, August 25.

**Walter A. Eble**, Machine Maintenance, August 25.

**Beaman H. Fox**, Tool Engineering, August 25.

**William J. Hulsey**, Metallurgical Development, August 25.

**Alvin C. Lay**, General Machine Shop, August 25.

**Raymond B. Thompson**, A-2 Shops, 9212, August 25.

Apologies to **Lawrence D. Johns**, Gage Certification Laboratory. In the 10-year anniversary column last week he was listed as Lawrence D. Johnson. He says this is the second time in the Bulletin he has been so identified . . . and that there had to be a Johns before there was a Johnson!

Careful what you say — the wrong person could hear you.



## LOWE—DINKINS

The marriage of Miss Dorothy Ray Dinkins and Mr. Jeffrey Alan Lowe was performed July 26, at 7:30 p.m., at the Clinch River Baptist Church, Lake City, Tennessee. The Reverend George DeLozier, pastor, officiated at the evening rites.

The bride is the daughter of Mr. and Mrs. James Ralph Dinkins, Route 2, Clinton; and the groom is the son of Mr. and Mrs. Loyle Lowe, of the same address.

Given in marriage by her father, the bride wore a floor length white satin gown, featuring an empire waist line and lace sleeves. Her bouquet was white roses placed on a white Bible.

Mrs. Betty Fisher, Aiken, South Carolina, was the matron of honor; and Miss Brenda Kaye Gibson, Clinton, was bridesmaid. Miss Kendra Underwood, Lake City was junior attendant.

The groom's best man was Kenneth J. Townsend, High Point, North Carolina; and Michael Lowe, Clinton, served as his brother's usher. Junior attendant was Samuel Lowe.

The bride is a graduate of Clinton High School and attended the University of Tennessee. She is in Y-12's Facilities Engineering.

The groom, a graduate of Druid Hills School, Atlanta, Georgia, recently returned from duty with the U. S. Army in Vietnam.

Honored immediately after the ceremony, the couple was feted by a reception at the home of the Reverend and Mrs. George DeLozier.

The couple will live in Oak Ridge.



**Car pool member wanted from Norwood section, Knoxville, to any portal, straight day.** Gene Keith, plant phone 3-5698, home phone Knoxville 689-2229.

**Ride wanted or will join car pool from Halls Area, Knoxville, to Central Portal, straight day.** Ray Edwards, plant phone 3-7781, home phone Knoxville 687-7890.

**Ride wanted from Martha Washington Heights, off Alcoa Highway, Knoxville, to North Portal, straight day.** Billie Kooch, plant phone 3-7727, home phone Knoxville 577-9507.

**Ride wanted from Hunter Circle area, Oak Ridge, to Bear Creek Portal, straight day.** Carolyn Park, plant phone 3-5486.

**Car pool members wanted from Fountain City area, Knoxville, to any portal, straight day.** R. K. Holbert, plant phone 3-5801, home phone 689-9395.

**Ride wanted from vicinity of Bull Run Steam Plant, Edgemoor, to East Portal, straight day.** Tom Bagwell, plant phone 3-5445, home phone Claxton 945-2539.

**Ride wanted from Highland View, Hillside area, Oak Ridge, to East Portal, straight day.** Mildred Hyp, plant phone 3-5968.

**Ride wanted from Kingston Wood section, Knoxville, to Central Portal, straight day.** David Schultz, plant phone 3-3053, home phone Knoxville 588-7628.

## Come To ASTME Tool Show! (Or See Funky Philadelphia First!)

(Editor's Note: The following epistle was penned by Dvorka Robinson. Theodore and Dee recently attended the American Society of Tool and Manufacturing Engineers' Tool Show in Philadelphia. To all of us who have read official reports of trips and conferences and shows, the lady-bird's eye view of the ASTME show comes as a fresh breath of air. The Robinsons live in Oak Ridge. Ted is in Y-12's Dimensional Inspection.)

A WIFE WILL GO ANYWHERE FOR A VACATION . . . even to the ASTME Tool Show in Philadelphia, which is where our vacation money took us this year. (Except for an occasional camping weekend . . . and no wife will really call that vacationing!)

We arrived in Philadelphia on Sunday, and I, not knowing what was in store for me in the next few days, allowed my husband to take me on a walking tour of the downtown area. (Method in his madness . . . the shops are all closed.) Broad Street is still Broad Street and William Penn still surveys the length and breadth of it. But where, or where, are the Automats? We ate a snack in one that used to be, and I was very disappointed to go through a cafeteria line and not be able to stick coins in slots and watch the food pop up.

### Walk, Still More Walk

Late afternoon found us relaxing and contacting nearby relatives . . . then to top off the day, about three cabs full went to an "old reliable" restaurant, from which we walked the 10 or 12 (city) blocks back to our hotels.

Monday, I was indoctrinated in the primary purpose of going to the Tool Show. Said purpose being to walk as far and see as much as you can in any one day, because even a week is not enough to see it all. The Show was held in the combined OLD and NEW Civic Center which only covers two city blocks. But . . . the exhibits were set up in aisles running the longest length of each building. Picture a football field striped lengthwise 20 times. On both sides of each stripe are 20 to 30 exhibits, and then, that not being enough, they are set up on each end. The football field, three layers thick, was one building, and one-third again as large, single layer, the other building. Monday, I am positive, we walked over 10 miles.

### Seeing Is Believing

Ted has come home from several Shows and "explained" it all to me. But, "ya gotta see it to believe it!" . . . like a measuring device that will disclose surface differences one-tenth the size of a human hair! Most people can run their fingers over a grained wood and feel it as uneven. But when it comes to highly polished marble that feels smooth, the machine will tell you it is uneven as the wood . . . in more minute detail, of course. And gages—I always thought gages were little round things, two or three inches in diameter with a scale and needle on the face. Live and learn. We saw one housed in a contraption eight feet by six feet by eight feet tall. A man could stand inside and check its movements. And it would take a crane to move it. (Mrs. Robinson can qualify as an engineer . . . she didn't spell it "gauge!")

No man would appreciate a woman's description of the show, and not many women would understand it. Suffice it to say, I even now know what a "numerical read-out" is. The main purpose of the Show this year was to "sell" computerized operation. And we saw computers of all makes, in all sizes and shapes. To a woman knowing only the



workings of a sewing machine and an automobile (both non-computerized) this show was a phantasmagoria of nightmare proportions. Shades of the 30th Century! Will the world eventually be overrun by machines that rule with man a mere slave-holding screwdriver and oilcan???

### No Dancing, Thank You!

I was asked why I wore "heels" during our trapeze around the hall—and Monday night found out—I wouldn't possibly have put them on at 6 o'clock to go to dinner. Even after a night's rest, they had to be squashed on with a shoe horn over the swelling. So, Tuesday, not wanting to walk the concrete again, I joined a group of wives for brunch and a garden tour. Crazy, Man! Or, Crazy, Woman? Walking around the Longwood Gardens outside Philly was about the last thing I needed. The gardens are beautiful and contained many varieties of flowers. The beds are changed with the seasons. Inside the greenhouse we saw over a hundred varieties of orchid, from the one-half inch size (several of these) to the standard known large white, with all sizes and conceivable colors in between. And have you ever seen a rhododendron 12 feet tall and about 20 feet in diameter!

It was very pleasant to be wine and dined Monday and Tuesday nights, but very gratifying not to be taken to a place where dancing would have been necessary. It would have been impossible.

Wednesday, from 10 to one, I dragged the bloody stumps of my legs around the show again, so Ted could see what he had missed, and show me some of the things I had missed. I saw so much that I couldn't encompass it all and had to review the pictures my mind took when we came home, in order to know what I had seen.

### Acrophobia Increases

Early Wednesday, Ted suggested we go up in the tower under the statue of Penn (40 stories tall) with a platform running around the outside of his feet. Poor Ted found that my acrophobia had been insidiously increasing all these years. Living in a "flat" town does not acclimate one to heights. By the eighth floor I was already dizzy. When the elevator got to the top, he had to drag me out on the platform. We did walk around, though, me with my back up against the building and moving crab-wise, raising my eyes just enough to look four miles down Broad and get dizzy. If I want to see Philadelphia from the air

Continued on Page 4



## Etheridge, Bray Hi Skeet Shooters

Y-12ers took second and third slot places in the August Skeet Tournament, fired August 4 in Oak Ridge. Dwayne Fry, ORNL, capped first place with a 48.313 handicap score. He was followed by B. Etheridge, 48.080, and Leon Bray, 47.981.

September 1 is the next scheduled Skeet Shoot . . . at 1 p.m. at the Oak Ridge Sportsmen's Association.

All tournaments are fired under a handicap system and a penalty system which are designed to allow newcomers an even chance with the oldtimers. All interested Carbide shooters are invited to participate in the monthly shoots.

### August Skeet Results:

Firer	H'cap Score
B. Searles, Y-12	46.160
D. Fry, ORNL	48.313
B. Etheridge, Y-12	48.080
R. Allstun, Y-12	47.126
J. Case, Y-12	47.689
K. Bahler, Y-12	47.683
W. Richardson, K-25	47.920
C. Asmanes, Y-12	47.400
C. Brewster, Y-12	48.783*
L. Bray, Y-12	47.981
R. Powers, Y-12	48.654*
C. Theobald, K-25	46.320
L. Abbatiello, Y-12	46.160

\*Under Penalty.

## Recreation



### calendar

#### Saturday, August 24

GOLF: 7 a.m. Whittle Springs Course, Knoxville.

#### Monday, August 25

GOLF: Southwest Point, After work, Southwest Point, Kingston. PHYSICAL FITNESS (Women): 7:30 p.m. Oak Ridge High School Girls' Gym.

SOFTBALL: Beginning 6:15 p.m., Pinewood Park. K-25 Colts vs. Cardinals; Beta Two vs. Eagles; White Sox vs. J-Birds.

#### Tuesday, August 27

PHYSICAL FITNESS (Men): 7:30 p.m., Oak Ridge High School Gym.

PISTOL LEAGUE: 6:15 p.m. Oak Ridge Sportsmen's Association.

SOFTBALL: Beginning 6:15 p.m. Pinewood Park. Bat Boys vs. Braves; Pirates vs. UCC All Stars; Big Shops vs. Gashouse Gang.

#### Wednesday, August 28

GOLF: Melton Hill League, after work, Melton Hills, Clinton.

#### Thursday, August 29

HORSESHOE: 7 p.m. City Courts, Jackson Square.

#### Sunday, September 1

SKEET TOURNAMENT: 1 p.m. Oak Ridge Sportsmen's Association.

COMING IN SEPTEMBER: Sept. 2—Holiday—Labor Day . . . Bowling Leagues Begin. Sept. 7—Final Golf Tournament of the year . . . Wallace Hills.

## Hungry People Could Be Fed From Wastes

Two-thirds of the world's population live in economically underdeveloped countries where people frequently do not get enough food to satisfy their hunger or give them strength enough to do productive work. Relatively little has been done to prevent losses to crop and animal production caused by insects and diseases. These lands use only about five percent of the world total of agricultural pesticides.

With effective use of chemical pesticides, millions of people could be fed from crops previously sacrificed to insects, weeds and disease.

Plug security leaks.



**THE UCC ALL STARS WOULD LIKE** to better their standings in the Y-12-ORGDP Softball League and will take any suggestions. (Suggestion Number One: Win more games!). Kneeling, from left are Manager Mike Estep, Paul Febbo, Ben Atkins, Eugene Orrick, Tom Smith and Ron Williams. Sitting in the back row are Joe Konopka, James Davis, Assistant Manager Lee Wickham, Bob Waters, Mike Carver, Ken Self and Lewis Alley.

## Colts, Braves Collide Tomorrow To Break Deadlock On Diamond

Through last week, the K-25 Colts and Y-12 Braves still sported spotless records in the Softball's last half race. Something's gotta give, however, tomorrow night, as the big teams clash!

A lot of leather got knocked around last week as make-up games joined the regular schedule, as the rains held.

Monday began with the Cardinals cashing in on the Bat Boys 24 to 4. Chuck Holland poled two homers for the Cards . . . Jerry Harris and Earl Nalls clipped one each . . . all on the winning squad. Hugh Beeson collected on the losing BB team.

The big Colts kept a clean slate by taking the Gashouse Gang 14 to 4 . . . as Sam Woofin, Bob Syefried and Steve Cates all homered.

On the losing GH team it was Charley Hensley with a four-bagger.

The final action Monday pitted the J-Birds against the All Stars . . . and the Birds came out on top 37 to 19. The Bird's Curtis Hill homered twice, as well as earning one triple . . . Ken Dingen, Frank Gether and John Amburgey homered . . . John's a grand slam!

On the losing squad it was Tommy Smith with two, David Means ditto, and Gene Orrick, Bob Walters and Al Lupe all with one big one.

Tuesday's action started with the Braves battling the Eagles to the ground 18 to 5. John Evans, Jim Milligan and Steve Babb were the big heroes with homers each.

The Pirates eked by the Big Shop team 11 to 10 . . . in a closely-fought contest. Fred Manning and Ralph Gibson earned four-baggers for the losers . . . Bobby Roe for the winning Pirates.

The Hawks had the White Sox Tuesday 23 to 17 . . . as the Sox put 15 errors into the books! Bill Stanton, Frank Millen, and Ron Norris homered for the losing team . . . Gale Helton for the winners.

A late night game saw the Cardinals pluck the Hawks 24 to 2 . . . as Don Stinnett and Bobby Belt teamed together to homer for the winners.

Two make-up games got into play Wednesday as the All Stars edged by the Hawks 16 to 15 . . .

David Mings homered three times for the winners.

Larry Underdown, and Joe Dick poled one each for the losing effort.

Wednesday's next make-up game saw the Gashouse Gang gallop past the Hawks 19 to 4. George Plunk and Phil Gore gained homered to help the winning cause.

Final action Thursday night saw the Braves beat the All Stars 5 to 3. Jim Milligan, three for three, knocked two big homers for the Braves' five points.

Y-12's Eagles clawed their way over fellow plantmen the Bat Boys 16 to 2 . . . as Ron Green and Wayne Speller splattered balls beyond the fence. Leo Browne poled a long one for the losing BB team.

The last game on last week's busy schedule featured the Colts winning their ninth victory thus far . . . 9 to 4 over the Pirates.

Steve Cates homered twice, John Keith once.

On the losing team it was Mac Wright with a four-bagger.

League standings follow:

Team	W	L
K-25 Colts	9	0
Braves, Y-12	8	0
Cardinals, Y-12	6	3
K-25 Gashouse Gang	5	3
Eagles, Y-12	4	4
Pirates, Y-12	4	4
Big Shops, Y-12	3	4
J-Birds, K-25	3	4
Bat Boys, Y-12	2	6
Beta Two, Y-12	2	7
UCC All Stars, Y-12	2	7
White Sox, Y-12	1	7

## Last Golf Tournament For Summer Is Set

Y-12 golfers will make up their Spring tournament Saturday, September 7, at Wallace Hills course.

An entry form will be run in next week's Bulletin. It will appear only once, instead of the customary two times.

## Lowly Cue Ball Gave Impetus To Plastics

About 100 years ago, when nature's source of ivory began to diminish, an enterprising chemist, John Wesley Hyatt, pondered the fate of the billiard ball. Billiard balls had to be made of ivory. But . . . did they? His substitute . . . celluloid . . . gave birth to the now booming plastics industry, which produces some 14 billion pounds of plastic materials annually.

## Case-Miller Take Hoss-Shoe Lead

The Case-Miller team jumped into the lead in the HossShoe League last week, after a nine point win over Hutto-Tillery via forfeit. (They had won seven from Reed-Stephens earlier.)

Eubanks-Raper wrested eight from Luckett-Brock . . . while Durham-Bailey took seven from Wyatt-Hensley. Reed-Stephens gained six from Allmon-Matheny. Gray-Copeland sank Young-Holsopple for the full count of nine; while Allmon-Moody took five from Wyatt-Hensley.

### League standings follow:

Team	W	L
Case-Miller, ORNL	24	3
Eubanks-Raper, Y-12	21	6
Durham-Bailey, ORNL	20	7
Reed-Stephens, Y-12	17	10
Gray-Copeland, ORNL	16	11
Allmon-Moody, ORNL	11	16
Young-Holsopple, ORNL	9	18
Luckett-Brock, ORNL	8	19
Wyatt-Hensley, Y-12	7	20
Hutto-Tillery	2	25

## Winstead-Ferguson Hold Melton Lead

The top team in the Melton Hill Golf League got a "leg-up" last week with a four-point win over Rogers-Thompson . . . this puts them, the Winstead-Ferguson two, a full five points in front.

Winning six were Bell-Burrus over Poly-Morehead, Culberson-Tiller over Wright-Stewart, Clabough-Nobles over Holly-Tilley, and Brown-Gresham over Butler-Stinnett.

The Alvey-Phillips duo posted five over Parrott-Parker. Hamby-Braden took four from Carter-Jones.

Harold Alvey, J. D. Brown, Paul Braden, Bill Jones, Charlie Ferguson and Frank Tiller all fired an even 40 scratch . . . Alvey's 33 handicap score was low.

### League standings follow:

Team	W	L
Winstead-Ferguson	53	13
Wright-Butler	48	18
Alvey-Phillips	42	24
Bell-Burrus	41	25
Hamby-Braden	38	26
Culberson-Tiller	36	30
Parrott-Parker	32	34
Clabough-Nobles	32	34
Brown-Gresham	31	29
Rogers-Thompson	29	37
Holly-Tilley	25	35
Carter-Jones	21	45
Butler-Stinnett	16	50
Poly-Morehead	12	54

The only trouble with idle gossip is that it never is.

## Hamill-Plemons Still SW Tops

The Hamill-Plemons pair took a leap out in front of the pack last week in the Southwest Point Golf League by downing opponents Ludwig-East.

The Groppe-Argo team downed the Trues by the same score. Four points went to Pryson-Ellis over Goodwin-Tuell, and Garber-Huddleston had Mee-Wright by the same score.

C. W. Hamill was low scratcher of the week with a card of 38 . . . R. E. Plemons took a 35 handicap score.

### League standings follow:

Team	W	L
Hamill-Plemons	54	18
Pryson-Ellis	49	23
True-True	47	25
Mee-Wright	36	36
Ludwig-East	33	39
Groppe-Argo	25	47
Garber-Huddleston	22	50
Goodwin-Tuell	20	52

## HECTIC ENVIRONMENT

Of course, insanity is hereditary. You can catch it from the children.



**BILL WEBB, UTILITIES ADMINISTRATION**, recently took a family vacation at Daytona Beach, Florida, and caught these fine fish on August 1, from a charterboat "Star." His best fish weighed more than 19 pounds.





**PRESENTING Y-12's CURRENT** champions in the salt-water fish division! Ogle Moore, John Webb (ORNLite), Bill Davis, D. W. Frazier, Dave Turner, and Jim McLain, reading from left, are seen above with the more than 1,500 pounds of red snapper and grouper they pulled from the Florida waters. McLain took the top prize by landing a 230 pounder.

## McLain Catches 230-Pound Fish As Y-12ers Clean Florida Waters!

B Shifters recently solved the problem of poor fishing conditions in the Tennessee waters when they decided to try some deep sea fishing down Florida-way. Have you seen the catch they made on the last weekend of July . . . over 1,500 pounds of red snapper and grouper, the largest one, 230 pounds, caught by Jim McLain, the second largest by John Webb . . . 194 pounds?

The story is told that before McLain hooked the 230 pounder, Frazier had caught the largest

one at 94 pounds. McLain asked the genial Carl to help him land his fish . . . only to be refused. Frazier told him to land his own fish, he caught it, and furthermore it might weigh more than his and cause him to lose the pot which had been put up for the largest fish caught.

Also, there was a little wager on the weight of another fish caught from a different boat which had been won by one of this crew who had guessed in ounces on a fish that weighed 23½ pounds. Can you believe that?

The crowd attending the big hooking party include Ogle Moore (Bouncer); John Webb (Mr. Clean); Bill Davis (Mohawk); C. W. Brazier (Beardy); Dave Turner (Give-Up); and Jim McLain (King Bee).

The men enthusiastically to a tee endorse getting up another crowd and heading down that-away!

## New AEC Film Made Available

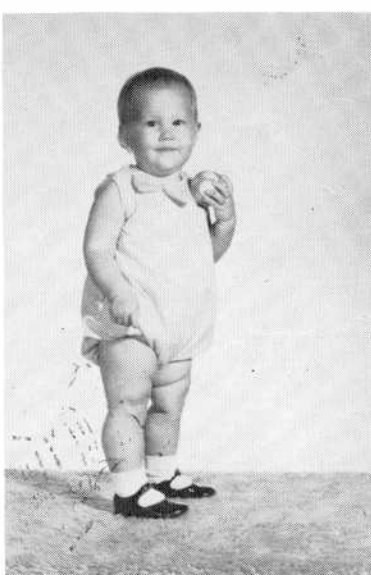
A new film dealing with this country's programs for safeguarding its nuclear material resources is now available from the Atomic Energy Commission here.

"Atoms in the Marketplace," a new 28-minute, color motion picture explains the economic nature and significance of strategic nuclear materials, as well as the stringent controls that have been established by the AEC, private industry, nations throughout the world and international organizations.

Much of the footage of the film was shot at facilities under the AEC's Oak Ridge Operations, including the Feed Materials Production Center, Fernald, Ohio; Oak Ridge Gaseous Diffusion Plant; the Oak Ridge National Laboratory, and the Y-12 plant.

The film discusses the great need for safeguards and controls to avoid diversion of uranium, plutonium and other nuclear materials into channels for the making of unauthorized nuclear weapons. Also, the film points out that because of the great cost of the nuclear materials, small, cumulative and undetected losses of the materials could result in serious financial problems for the young nuclear industry.

Prints of the film are available without cost, except for return postage, by contacting the AEC's Motion Picture Film Loan Library.



**HOW ABOUT THIS** future Miss America? She is little Michelle Rene Christain, one year old in March, from Lincoln, Illinois. The cute Miss is the granddaughter of S. L. Ray, Guard Department, and the apple of grand-pop's eye, of course!

## Tool Show . . .

Continued from Page 2  
again, I'll do it from an airplane. Strangely, I don't have any fear of heights in a plane. The flight up was late afternoon turning to dark on the ground and beautiful. Coming back we had one of those "open-cockpit" jobs from Philadelphia to Washington. It shivered and shook and roared and in my rear view sunglasses I kept a close watch on the tail shimmying so that when it fell off I could tell the pilot. The panoramic takeoff from Washington after dark included a good look at the Penatgon, lying like a jewel in the sand.

As I crawled off the plane in Knoxville, I vowed to believe my husband when he came home from another show and said his feet hurt. A weird vacation for a female? Yes, but I asked for it, enjoyed it, and learned a great deal. And if I am invited again next year, I'll go . . . but next time, I'll take roller skates!

## Food Products Sets Atlanta Facility

The establishment of a sausage casings service center in Atlanta, Georgia, operated by the Food Products Division of Union Carbide Corporation, has been announced. The facility is already functioning, although full services will not be available until early in 1969. The Food Products Division of Union Carbide manufactures cellulose and plastics films for processing and packaging meats, poultry, and other food products.

E. E. Tarika, president of the division, stated that the facility will be completely equipped for printing sausage casings with customers' individual brand names and package designs. It will provide quick service to meat and poultry processors in the southeast and south. The site in the southwest section of Atlanta was chosen for its convenience to the airport and to trucking terminals. It also has immediate access to major crosstown arteries and to a perimeter highway en-



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## Leisure Time Will Be Problem For 21st Century Man, It Says

Those of us who live to the twenty-first century may not be too busy making a living. In a report on "The Four-Day Week," "The 21st Century" television series will explore a world in which 60 percent of one's waking hours will be devoted to leisure. This will be broadcast Sunday, August 25, at 6 p.m., EDT, in color on the CBS Television Network, carried locally by WBIR-TV, Channel 10. CBS News Correspondent Walter Cronkite is principal reporter for the series, which is sponsored in the public interest by Union Carbide Corporation.

Two-thirds of Americans will be less than 40 years old and will be earning \$15,000 to \$20,000 a year by the twenty-first century, Cronkite says. He will explore three forces that are expected to influence leisure now and after

2001—automation, early retirement, and labor unions.

How can this leisure time be filled? The report demonstrates new recreational equipment that may be used. Included are a two-passenger hydrofoil boat that can make 50 miles an hour and an indoor golf game that pits players against computers. The union leader of the electrical workers in New York City, Harry Van Arsdale, will explain how the union seeks to help its members cope with the leisure left by the 30-hour week, which they already enjoy.

"The Four-Day Week" was written by Gordon Hyatt. Fred Warshofsky is science editor for the series; Isaac Kleinerman is producer and Burton Benjamin is executive producer.

Sunday, WBIR-TV, Channel 10, at 6 p. m.



**CBS NEWS CORRESPONDENT WALTER CRONKITE**, just returned from the Convention in Miami Beach, is seen above with a hydrofoil. The hydrofoil and other new recreational equipment will be demonstrated in "The Four-Day Week" episode of "The 21st Century" Sunday, August 25 at 6 p.m., EDT in color on the CBS Television Network. Cronkite is the principal reporter for the series sponsored in the public interest by Union Carbide Corporation. WBIR-TV, Channel 10, carries the program here.

circling the city, all of which will greatly accelerate deliveries to customers.

A similar customer service facility is in operation in Los Angeles, California; Loudon; Centerville, Iowa; and Linden, New Jersey, with an additional major plant under construction in Barceloneta, Puerto Rico.

## HEART FACTS

Heart attacks invade every sector of American life. It is the leading health threat accounting for about 50 per cent of deaths from all causes among men and women between the age 45 and 64, their most productive years.

## Graphite For Y-12 Contract Is Let

The Atomic Energy Commission here has awarded a \$91,935 contract for a supply of graphite to be used in atomic energy programs. Ralph Elson, director of the Contract Division of the AEC's Oak Ridge Operations, said that the contract for the purchase of the graphite was awarded on the basis of competitive bidding to the Great Lakes Carbon Corporation, New York, New York. The graphite will be shipped to Y-12.

It is always time for security.